

WHAT IS CLAIMED IS:

1. A digital imaging system comprising;
a housing having a lens for receiving optical radiation into said housing;
an interface connector affixed to said housing for engaging digital interface cards;
at least one digital interface card having an image sensor positioned on said card such that it is aligned to receive optical radiation from said lens when said card is engaged with said connector; and
a microprocessor affixed within said housing in electrical communication with said connector for receiving and processing image data communicated through said connector from said image sensor.
2. The digital imaging system of claim 1 wherein said at least one digital interface card further comprises an on board memory for storing the sensor specification data to be read by said microprocessor to enable proper imaging processing operations.
3. The digital imaging system of claim 1 wherein said image sensor is a charge-coupled device sensor.
4. The digital imaging system of claim 1 wherein said image sensor is a semiconductor sensor.
5. The digital imaging system of claim 1 wherein said digital interface card further comprises at least one analog to digital converter.
6. The digital imaging system of claim 1 further comprising a power supply for transmitting power to said microprocessor and said interface connector.
7. The digital imaging system of claim 6 wherein said digital interface card further comprises a power supply circuit for transmitting power from said connector interface to on board components of said digital interface card.
8. A digital imaging system comprising;
a housing having a lens for receiving optical radiation into said housing;
an interface connector affixed to said housing for engaging digital interface cards;
at least one digital interface card comprising:

an image sensor positioned on said card such that it is aligned to receive optical radiation from said lens when said card is engaged with said connector; and

an on board memory for storing the sensor specification data;

a microprocessor affixed within said housing in electrical communication with said connector for receiving and processing image data communicated through said connector from said image sensor and for reading said specification data to enable proper imaging processing operations.

9. The digital imaging system of claim 8 wherein said image sensor is a charge-coupled device sensor.

10. The digital imaging system of claim 8 wherein said image sensor is a semiconductor sensor.

11. The digital imaging system of claim 8 wherein said digital interface card further comprises at least one analog to digital converter.

12. The digital imaging system of claim 8 further comprising a power supply for transmitting power to said microprocessor and said interface connector.

13. The digital imaging system of claim 8 wherein said digital interface card further comprises a power supply circuit for transmitting power from said connector interface to on board components of said digital interface card.

14. A digital camera system comprising;

a camera body having a lens for receiving light into said camera body;

an interface connector affixed to camera body for engaging digital interface cards;

at least one digital interface card having an image sensor positioned on said card such that it is aligned to light from said lens when said card is engaged with said connector; and

a microprocessor affixed within camera body in electrical communication with said connector for receiving and processing image data communicated through said connector from said image sensor.

15. The digital camera system of claim 14 wherein said at least one digital interface card further comprises an on board memory for storing the sensor specification data to be read by said microprocessor to enable proper imaging processing operations.

16. The digital imaging system of claim 14 wherein said image sensor is a charge-coupled device sensor.

17. The digital imaging system of claim 14 wherein said image sensor is a semiconductor sensor.

18. The digital imaging system of claim 14 wherein said digital interface card further comprises at least one analog to digital converter.

19. The digital imaging system of claim 14 further comprising a power supply for transmitting power to said microprocessor and said interface connector.

20. The digital imaging system of claim 19 wherein said digital interface card further comprises a power supply circuit for transmitting power from said connector interface to on board components of said digital interface card.